O.I.P.E. MAY 10 2007 PATENT & TRADEMARK OFFICE IAP59

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No.	: 10/677,484	Confirmation No.	: 4582
Applicant(s)	: Randall S. Hickle		
Filed	: October 3, 2003		
TC/A.U.	: 3771		
Examiner	: Amadeus Sebastian Lopez		
Title	: Neural Networks in Sedation and Analgesia Systems		
Docket No.	: 82021-0048		
Customer No.	: **24633**		

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

RESPONSE AND AMENDMENT

Sir:

Responsive to the Office Action dated January 26, 2007, a Petition for One-Month Extension of Time appended hereto, please amend the above-identified application as follows:

Amendments to the Claims are reflected in the listing of claims that begins on page **2** of this paper; and

Remarks/Arguments begin on page **5** of this paper.